

MICRO-MOISTURE ANALYZER

FM300 Moisture Analyzer



SCIENCE OF SENSING



Tomorrow's Testing, Today !

1-800-438-5388

Micro Moisture Analyzer

The Ultimate in Direct Moisture Measurement!

This simple-to-use system allows the user to accurately measure moisture samples as low as two parts per million (2ppm). Samples are placed in a drying tube and heat is applied. Moisture and other volatiles are driven into the sealed atmosphere and pumped through an activated carbon filter (which passes only the moisture molecules). The moisture is then absorbed in a molecular sieve chamber. The weight of the absorbed moisture is measured by an analytical balance. This "Gain on Drying" weight is converted into a moisture content. Inert N₂ gas may be applied across the drying chamber to improve accuracy and expedite drying of extremely low content samples.

Unlike Karl Fischer Titrators, since no chemical reagents are used, only moisture is measured (as chemical interaction is eliminated). Kett's FM300 eliminates the cost of reagents and preparation necessary for Karl Fischer Titrators as well as the expensive disposal costs of the various chemical wastes.

Applications

- Plastics and Polymers
- Pharmaceuticals
- Hazardous Waste
- Petrochemicals
- Any product with multiple volatiles

Simple Operation

1. Place the sample in the weigh pan.
2. Select the drying program and press start.
3. Moisture measurements are made on a continuous basis
4. The FM300 will automatically stop when the test is complete

Additional Moisture Analyzers

Kett manufactures the world's widest array of models and technologies for moisture analysis. Whether the requirement is for field, laboratory, process or portable systems, numerous options are available

Quality

Kett Micro-Moisture Analyzers are covered by a full **Three-Year** Manufacturer's warranty. The FM300 will be repaired or replaced for three years should it fail to perform to specifications during normal wear and tear. Kett's dependable quality allows you to focus on improving your product's quality, not waste time calibrating and verifying our gauges. When your quality is on the line, get on the line to KETT!

Tomorrow's Testing, Today!

Kett offers a complete line of innovative measurement devices — for laboratory, field, and commercial applications. If your company needs fast, accurate measurements, please call Kett!

Specifications

Model	FM300
Measurement Range	2ppm-100% WB
Minimum Indication	2ppm or 1 ug
Sample Mass	10ug - 20g
Display	Moisture Weight Measurement Time Temperature Drying Curve
Drying Time	
Temperature Range	70-300C +/- 2C
Power Source	AC100V
Measuring Principle	Drying by Heat Moisture Adsorption
Heat Source	EC Heater
Absorbant Material	Molecular Sieve Carbon
Carrier Gas	N2 Optional
Display	Backlit 15 Line LCD
Output	RS232C - Printer/PC
Measurement Modes	Timed/Continuous Automatic/Predictive One, Two or Three Stage 10 Programmable
Sample Size (mm)	54D x34H 48Dx15H (Pan)
Weight	82bs.
Dimensions (mm)	510Hx470W x455D

Note : specifications are preliminary and subject to change without notice

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